

Amendments to the Specification:

Please replace the paragraph on page 6, lines 18-32, with the following amended paragraph:

Figure 1 is a diagram illustrating a typical example of a network, and particularly the technique by which the quality of service on such a network can be controlled. In the system shown in Figure 1, video programs are transmitted from a video server 10 over a network 20 to a variety of clients 30, 31. The network includes routers 40, 41 and 42 which are used to route the data received from the video server 10 through the network 20 and ultimately to the clients 30 and 31. Each client 30, 31 can start and end the video reception at that client's terminal at any time. Furthermore, the client has the capability of changing the "channel" which requires the video server 10 to transmit a different video stream over the network 20 with a different quality of service requirement. A network management system ~~(NMS) controls~~ (NMS) 50 controls each of the routers 40, 41 and 42 in response to quality of service requests received from video server 10. As will be described, our invention enables the quality of service settings for a network, such as the one depicted to be changed quickly, thus enabling the handling of higher volumes of data, even for short sessions.

Please replace the paragraph on page 13, lines 3-12, with the following amended paragraph:

The growing use of the internet protocol in networking makes it more and more important that quality of service provisioned communications paths be established in a more dynamic ~~matter~~ manner as described above. As the number of adhoc sessions in contrast to prescheduled sessions increases, it is desirable to reduce the number of transactions between the service application and the network management system, and between the network management system and the network elements themselves. In the present invention the resource pool and the capability of an application to manage its quality of service needs within the pre-reserved pool enables great performance than previously possible. The pool, in effect a cache of resources, is managed closer to the user of the network.

Please add the following new paragraph on page 1, at line 10, as follows:

CROSS REFERENCE TO RELATED APPLICATION(S)

This is a continuation-in-part from U.S. Application No. 09/516,331, filed March 1, 2000, now issued as U.S. Patent No. 6,944,169.